

Title (en)  
THREE-PHASE ALTERNATING CURRENT PLASMA GENERATOR

Title (de)  
DREIPHASENDREHSTROM-PLASMAERZEUGER

Title (fr)  
GENERATEUR DE PLASMA A COURANT ALTERNATIF TRIPHASE

Publication  
**EP 0860099 A1 19980826 (EN)**

Application  
**EP 97904238 A 19970207**

Priority  
• US 9701840 W 19970207  
• US 59787096 A 19960207

Abstract (en)  
[origin: WO9729619A1] A plasma generating system uses three electrodes (33a, 33b, 33c) inside a chamber (40) connected to a low voltage three-phase AC supply. A high voltage AC plasma generator produces an ionized oscillator gas which is injected into the gap between the electrodes. A continuous arc is produced inside the chamber (40). The arc moves along the electrodes (33a, 33b, 33c) and then superheats and ionizes a working gas which is tangentially injected from a pneumatic ring (35).

IPC 1-7  
**H05H 1/36**

IPC 8 full level  
**H05H 1/36** (2006.01)

CPC (source: EP US)  
**H05H 1/36** (2013.01 - EP US)

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